# (19) World Intellectual Property Organization International Bureau



#### 

### (43) International Publication Date 26 May 2005 (26.05.2005)

**PCT** 

## (10) International Publication Number WO 2005/046750 A2

(51) International Patent Classification7:

A61M

(21) International Application Number:

PCT/IL2004/001036

(22) International Filing Date:

11 November 2004 (11.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

158888

16 November 2003 (16.11.2003) I

(71) Applicant and

(72) Inventor: POPOV, Sergey [IL/IL]; 32/17, Alexander Yanai St., P. O. Box 4583, 84144 Beer-Sheva (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

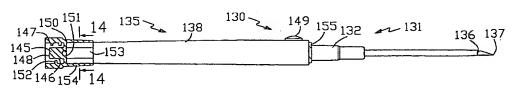
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CATHETER INTRODUCER



(57) Abstract: Safety catheter introducer 135 (see fig. 13) comrises catheter 131, needle 136, a safety means including needle protector 138 and actuated by trigger 149, as well as catheter cap 150. The latter is initially detachably retained on hexagonal shank 153 of protector 138 by moderate friction forces, and male luer member 145 is protected from contact with personnel by cap lateral wall 147. After the catheter emplacement, needle withdrawal and needle sharp point protection, operator turns protector 138 through 180 degrees and fixes cap 150 on catheter 131 by thread 152 using protector 138 as a cap holder. In doing so, male luer member 145 occludes the catheter entrance. Thereafter, operator easily detaches the protector from the cap. As a result, catheter 131 remains in patient's vein being closed with cap 150.



